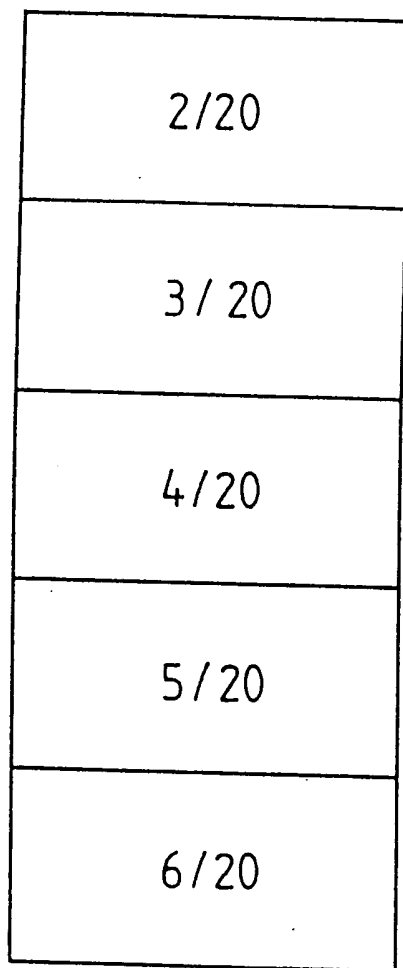


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3 / 20
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5/20
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FIG 1

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18  
CGA GTA AGT ATG GCT GTT  
Arg Val Ser Met Ala Val  
-29

66  
CAC AGA GTT AGT TTC CTT GCT CTC CTC CTC TTA TTT GGA ATG TCT CTG  
His Arg Val Ser Phe Leu Ala Leu Leu Leu Phe Gly Met Ser Leu  
-20

114  
CTT GTA AGC AAT GTG GAA CAT GCA GAT GCC AAG GCT TGT ACC TTA AAC  
Leu Val Ser Asn Val Glu His Ala Asp Ala Lys Ala Cys Thr Leu Asn  
-10      -1      1      5

162  
TGT GAT CCA AGA ATT GCC TAT GGA GTT TGC CCG CGT TCA GAA GAA AAG  
Cys Asp Pro Arg Ile Ala Tyr Gly Val Cys Pro Arg Ser Glu Glu Lys  
10      15      20

210  
AAG AAT GAT CGG ATA TGC ACC AAC TGT TGC GCA GGC ACG AAG GGT TGT  
Lys Asn Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly Thr Lys Gly Cys  
25      30      35

258  
AAG TAC TTC AGT GAT GAT GGA ACT TTT GTT TGT GAA GGA GAG TCT GAT  
Lys Tyr Phe Ser Asp Asp Gly Thr Phe Val Cys Glu Gly Glu Ser Asp  
40      45      50

FIG 1

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CCT AGA AAT CCA AAG GCT TGT ACC TTA AAC TGT GAT CCA AGA ATT GCC	306
Pro Arg Asn Pro Lys Ala Cys Thr <span style="border: 1px solid black;">Leu Asn</span> Cys Asp Pro Arg Ile Ala	70
55	
60	
65	
70	
TAT GGA GTT TGC CCG CGT TCA GAA AAG AAG AAT GAT CGG ATA TGC	354
Tyr Gly Val Cys Pro Arg Ser Glu Glu Lys Lys Asn Asp Arg Ile Cys	
75	
80	
85	
ACC AAC TGT TGC GCA GGC ACG AAG GGT TGT AAG TAC TTC AGT GAT GAT	402
Thr Asn Cys Cys Ala Gly Thr Lys Lys Gly Cys Lys Tyr Phe Ser Asp Asp	
90	
95	
100	
GGA ACT TTT GTT TGT GAA GGA GAG TCT GAT CCT AGA AAT CCA AAG GCT	450
Gly Thr Phe Val Cys Glu Gly Glu Ser Asp Pro Arg Asn Pro Lys Ala	
105	
110	
115	
TGT CCT CGG AAT TGC GAT CCA AGA ATT GCC TAT GGG ATT TGC CCA CTT	498
Cys Pro <span style="border: 1px solid black;">Arg Asn</span> Cys Asp Pro Arg Ile Ala Tyr Gly Ile Cys Pro Leu	
120	
125	
130	
GCA GAA GAA AAG AAG AAT GAT CGG ATA TGC ACC AAC TGT TGC GCA GGC	546
Ala Glu Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly	
135	
140	
145	
150	

FIG 1

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AAA AAG GGT TGT AAG TAC TTT AGT GAT GAT GGA ACT TTT GTT TGT GAA	594
Lys Lys Gly Cys 155	
	160
	165
	170
GGA GAG TCT GAT CCT AAA AAT CCA AAG GCC TGT CCT CGG AAT TGT GAT	642
Gly Glu Ser Asp Pro Lys Asn Pro Lys Ala Cys Pro	
	175
	180
	185
	190
	195
GGA AGA ATT GCC TAT GGG ATT TGC CCA CTT TCA GAA AAG AAG AAT	690
Gly Arg Ile Ala Tyr Gly Ile Cys Pro Leu Ser Glu Glu Lys Lys Asn	
	200
	205
	210
GAT CGG ATA TGC ACC AAC TGC TGC GCA GGC AAA AAG GGT TGT AAG TAC	738
Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly Lys Lys Gly Cys Lys Tyr	
	215
	220
	225
	230
TTT AGT GAT GAT GGA ACT TTT GTT TGT GAA GAG TCT GAT CCT AAA	786
Phe Ser Asp Asp Gly Thr Phe Val Cys Glu Gly Glu Ser Asp Pro Lys	
	235
	240
	245
AAT CCA AAG GCT TGT CCT CGG AAT TGT GAT GGA AGA ATT GCC TAT GGG	834
Asn Pro Lys Ala Cys Pro	
	240
	245

FIG 1

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ATT TGC CCA CTT TCA GAA GAA AAG AAG AAT GAT CGG ATA TGC ACA AAC	882
Ile Cys Pro Leu Ser Glu Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn	
250 255 260	
TGT TGC GCA GGC AAA AAG AAG GGC TGT AAG TAC TTT AGT GAT GAT GGA ACT	930
Cys Cys Ala Gly Lys Lys Gly Cys Lys Tyr Phe Ser Asp Asp Gly Thr	
265 270 275	
TTT GTT TGT GAA GAG GAG TCT GAT CCT AGA AAT CCA AAG GCC TGT CCT	978
Phe Val Cys Glu Gly Glu Ser Asp Pro Arg Asn Pro Lys Ala Cys Pro	
280 285 290	
CGG AAT TGT GAT GGA AGA ATT GCC TAT GGA ATT TGC CCA CTT TCA GAA	1026
Arg Asn Cys Asp Gly Arg Ile Ala Tyr Gly Ile Cys Pro Leu Ser Glu	
295 300 305 310	
GAA AAG AAG AAT GAT CGG ATA TGC ACC ACC AAT TGT TGC GCA GGC AAG AAG	1074
Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly Lys Lys	
315 320 325	
GGC TGT AAG TAC TTT AGT GAT GAT GCA ACT TTT ATT TGT GAA GGA GAA	1122
Gly Cys Lys Tyr Phe Ser Asp Asp Gly Thr Phe Ile Cys Glu Gly Glu	
330 335 340	

FIG 1

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TCT GAA TAT GCC AGC AAA GTG GAT GAA TAT GTT GGT GAA GTG GAG AAT      1170
Ser Glu Tyr Ala Ser Lys Val Asp Glu Tyr Val Gly Glu Val Glu Asn
345      350      355

GAT CTC CAG AAG TCT AAG GTT GCT GTT TCC TAAGTCCTAA CTAATAATAT      1220
Asp Leu Gln Lys Ser Lys Val Ala Val Ser
360      365

GTAGTCTATG TATGAACAA AGGCATGCCA ATATGCTCTG TCTTGCCTGT AATCTGTAAT      1280

ATGGTAGTGG AGCTTTTCCA CTGCCCTGTTT AATAAGAAAT GGAGCACTAG TTTGTTTTAG      1340

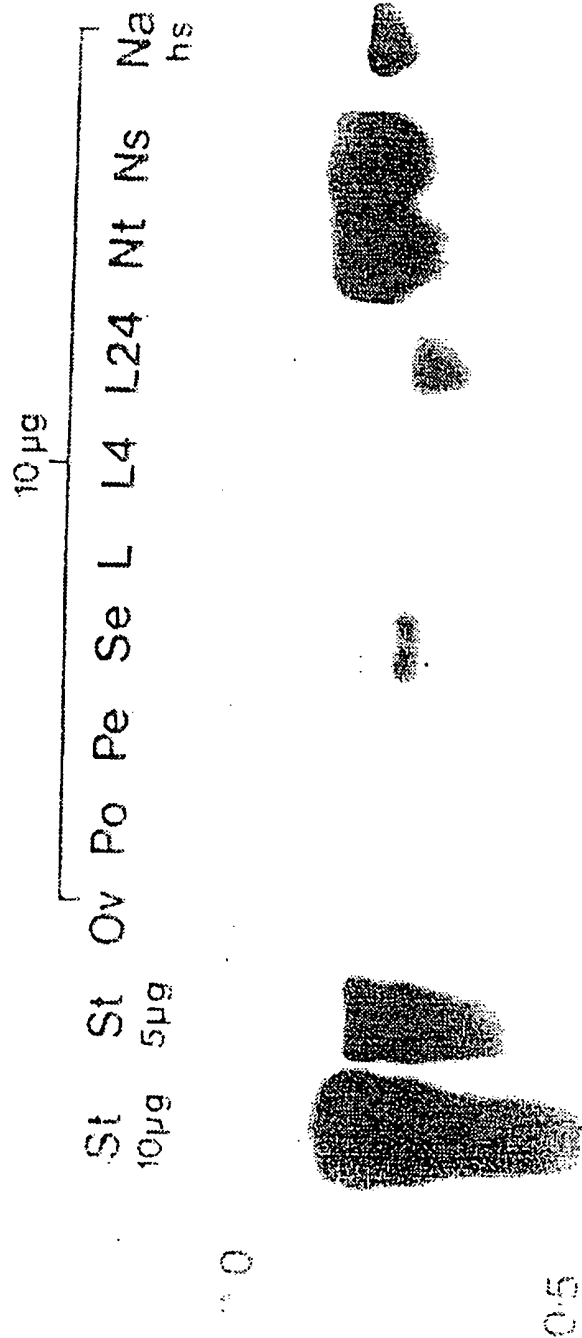
TTAAAAAAAAA AAAAAAAAAAA      1360

```

FIG 1

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FIG 2



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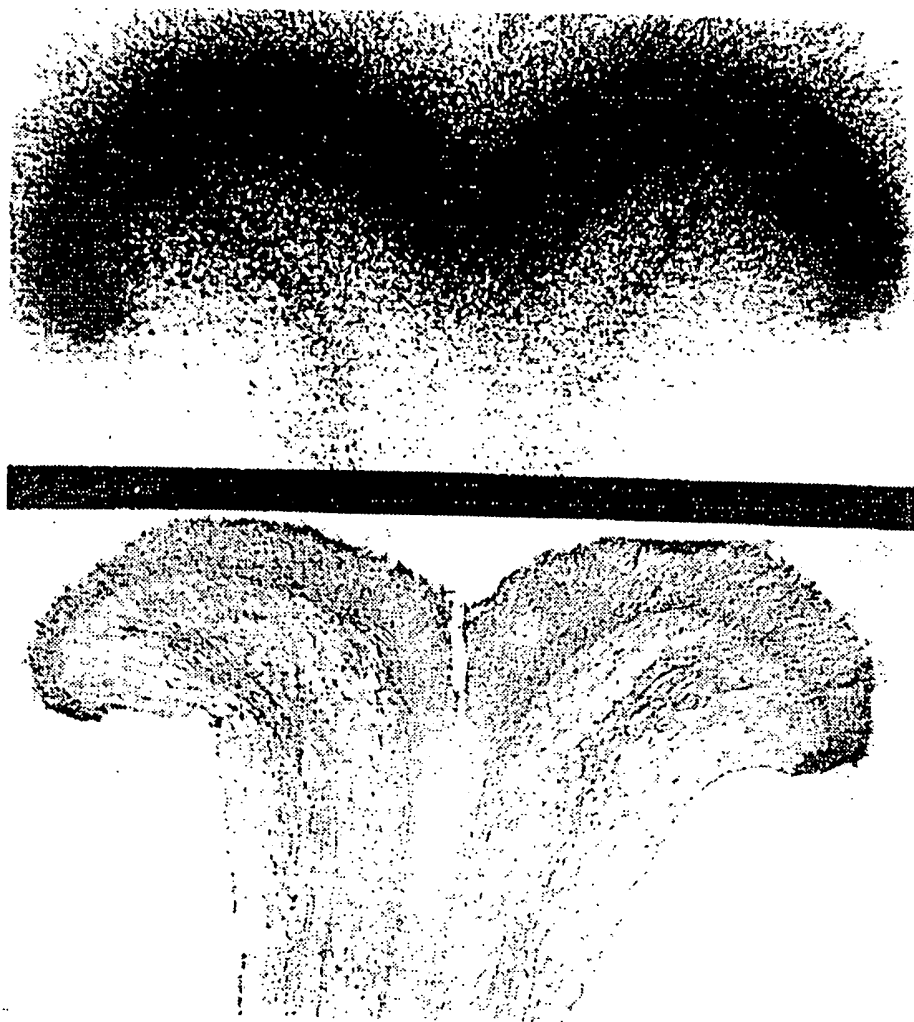


FIG 3



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EcoRI HindIII

9.4

6.5

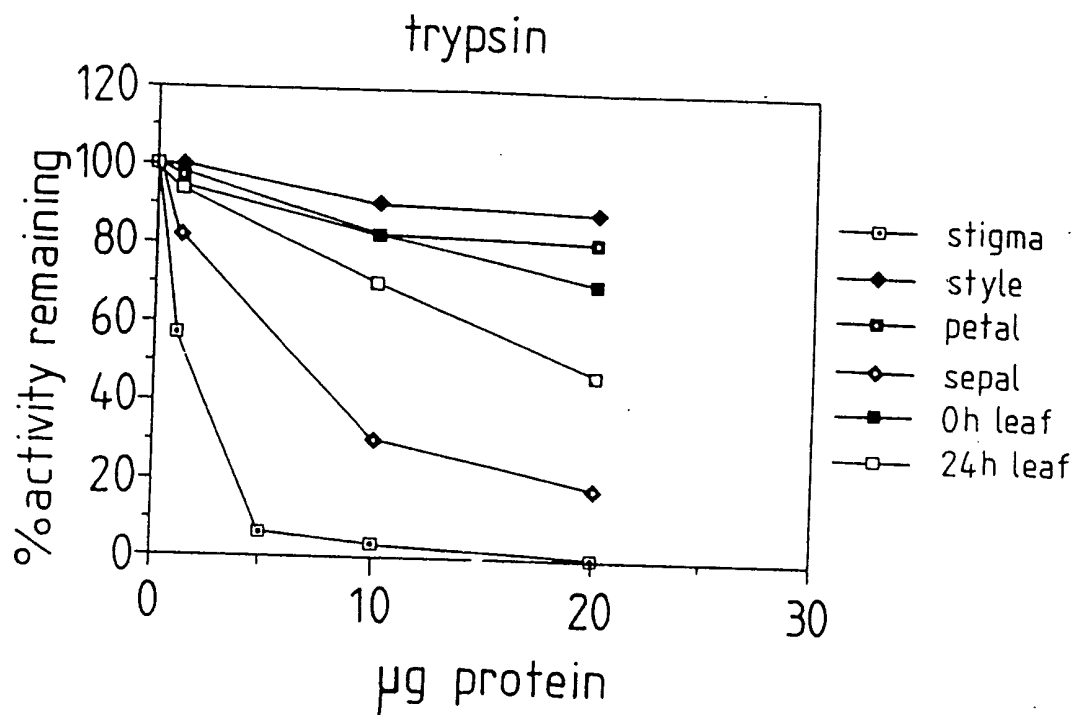
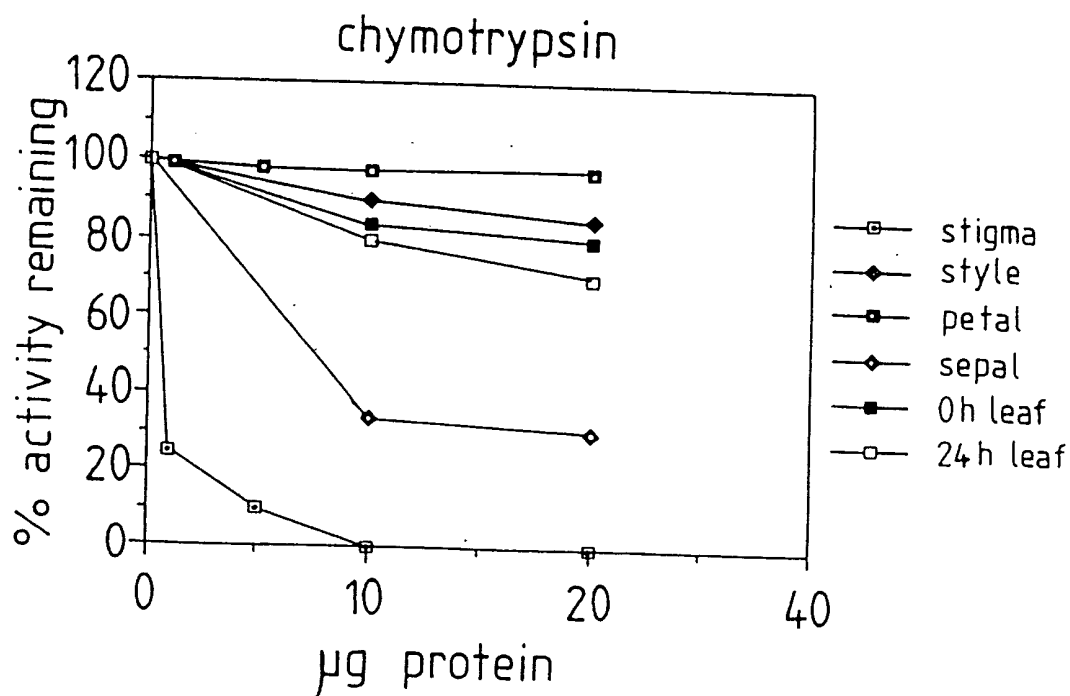
4.3

2.3

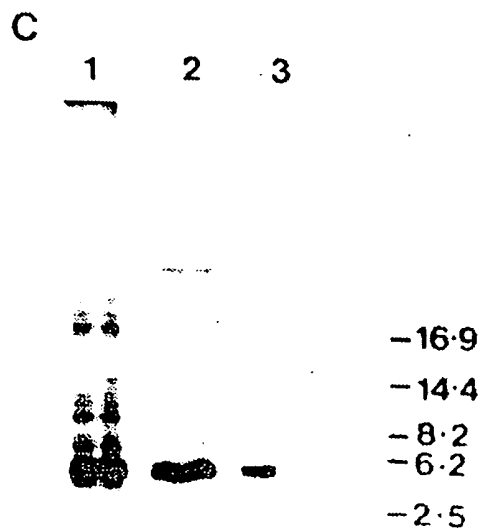
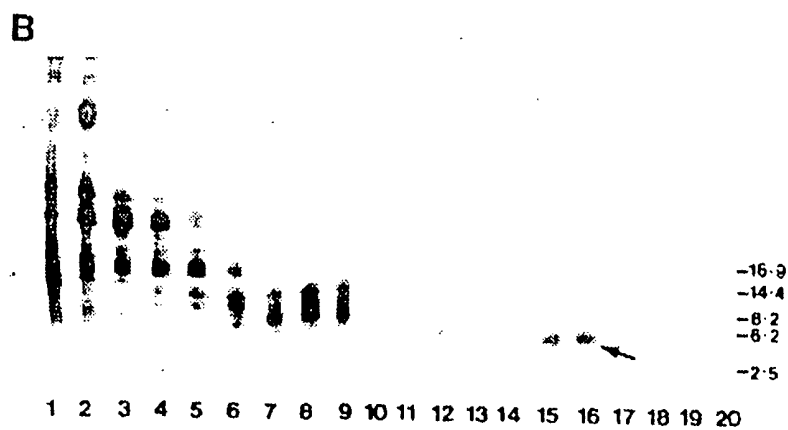
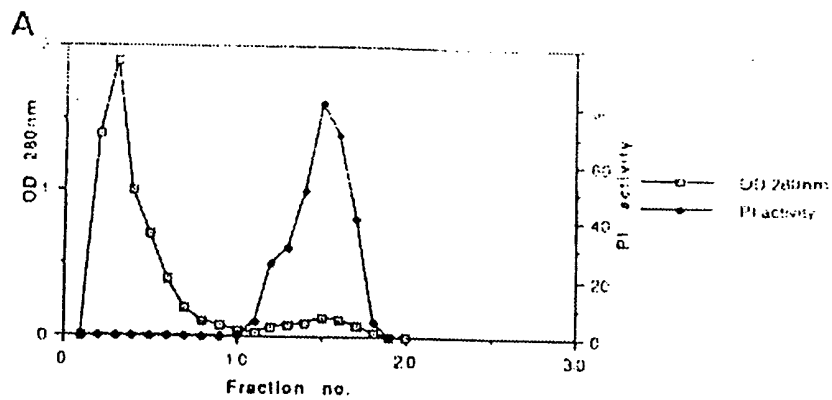
2.0

FIG 4

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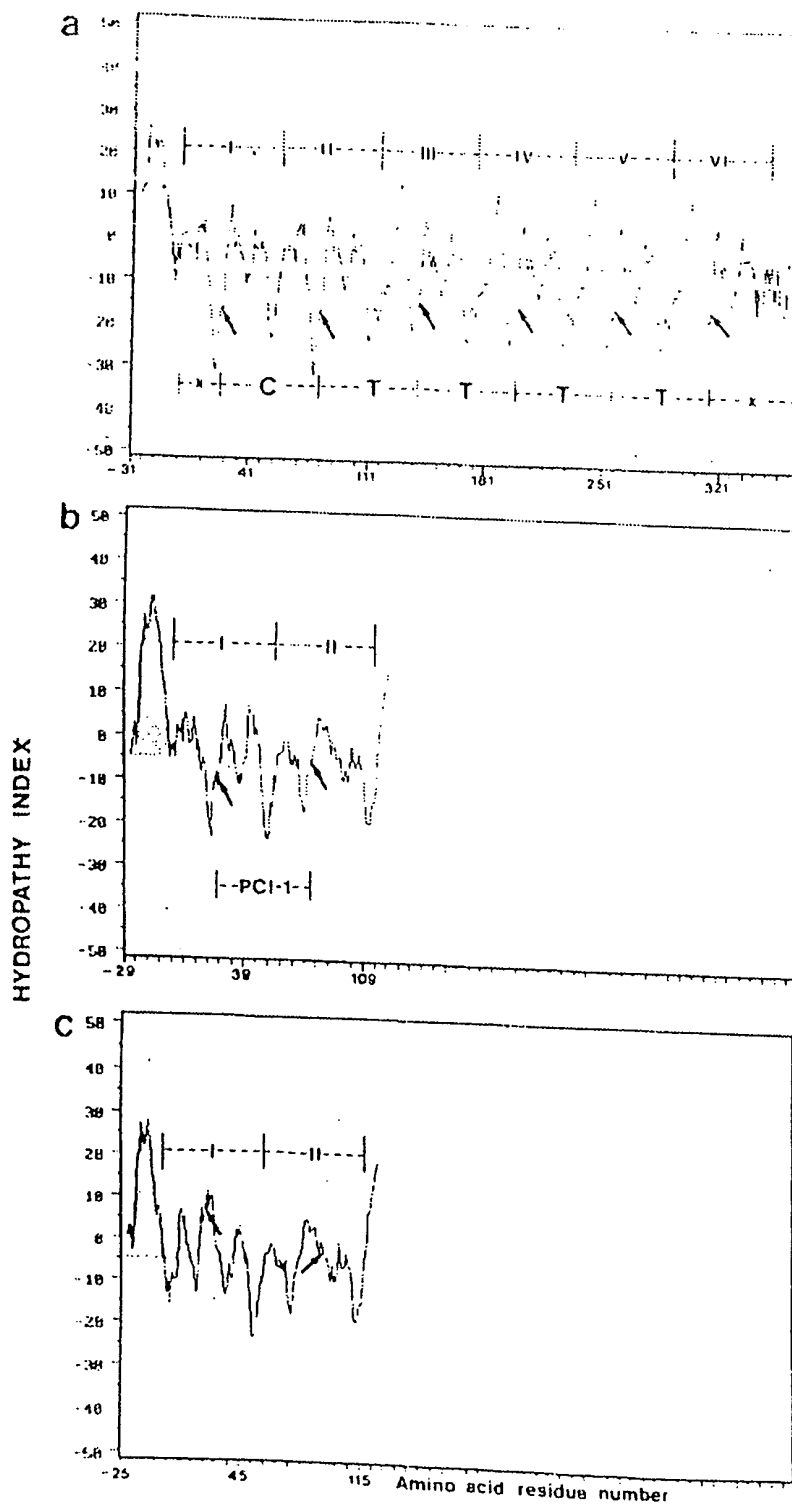
FIGURE 5AFIGURE 5B

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FIG 6

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FIG 7



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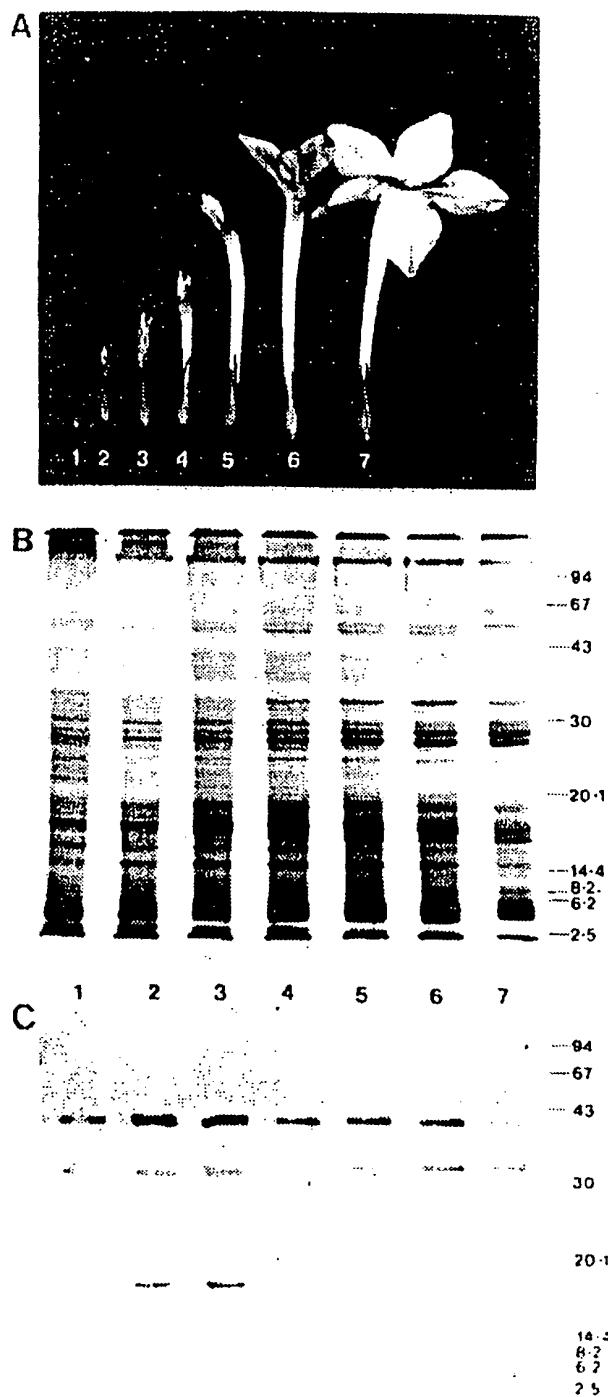


FIG 8

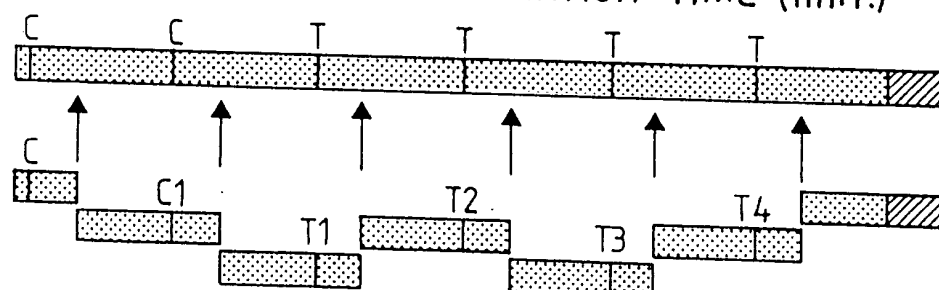
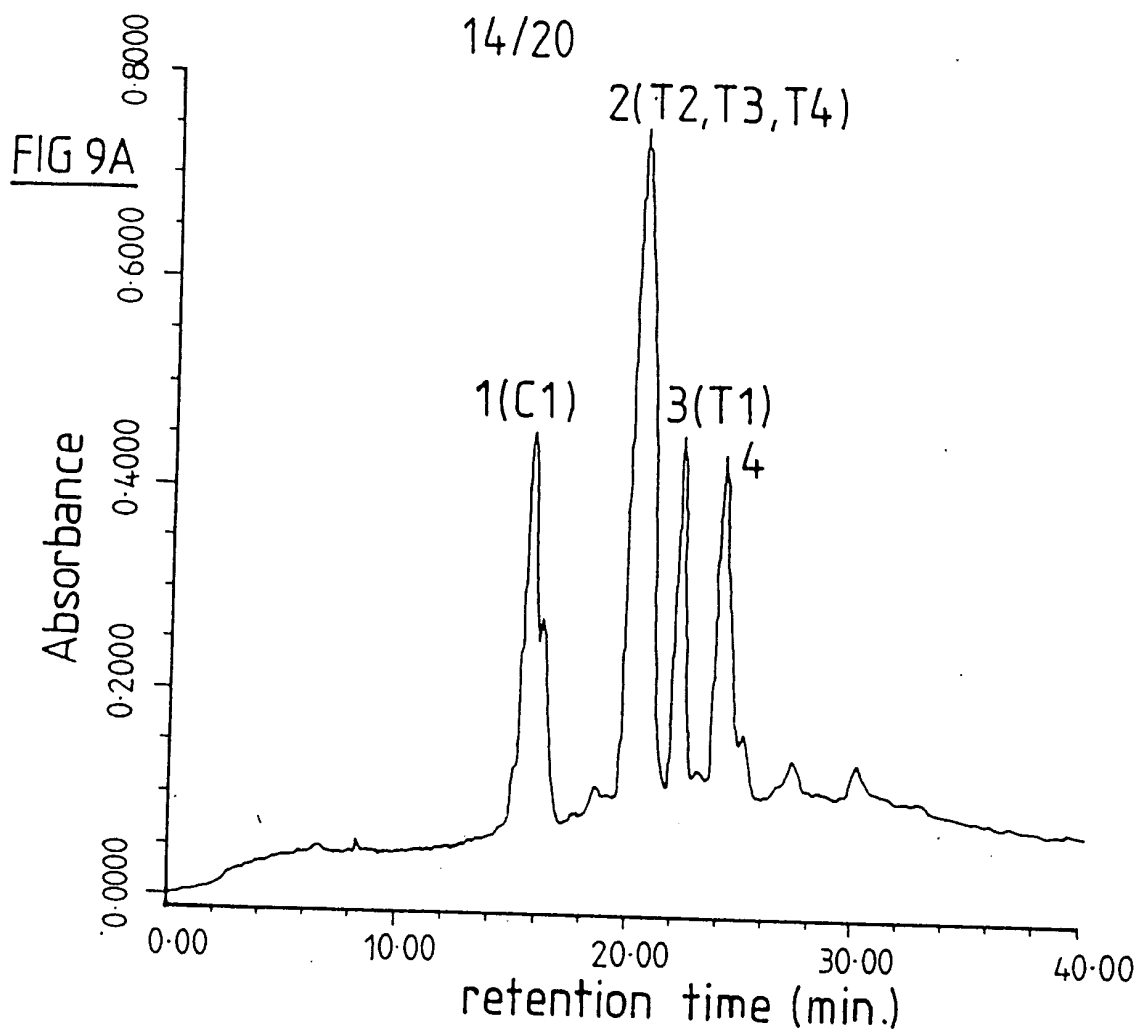


FIG 9B

C1 DRICTNCCAGTKGCKYFSDDGTFVCEGESDPRNPKACTLNCDPRIAYGVCPRS  
 T1 DRICTNCCAGTKGCKYFSDDGTFVCEGESDPRNPKACPRNCDPRIAYGICPL  
 T2 DRICTNCCAGKKGCKYFSDDGTFVCEGESDPKNPKACPRNCDGRIAYGICPLS  
 T3 DRICTNCCAGKKGCKYFSDDGTFVCEGESDPKNPKACPRNCDGRIAYGICPLS  
 T4 DRICTNCCAGKKGCKYFSDDGTFVCEGESDPRNPKACPRNCDGRIAYGICPLS

1      10      20      30      40      50

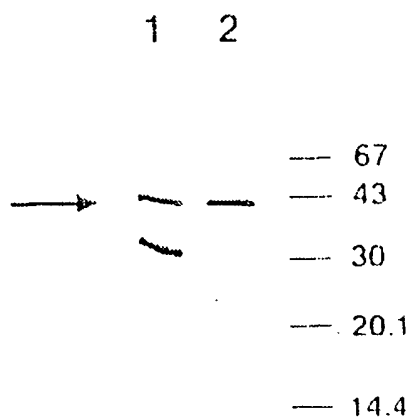
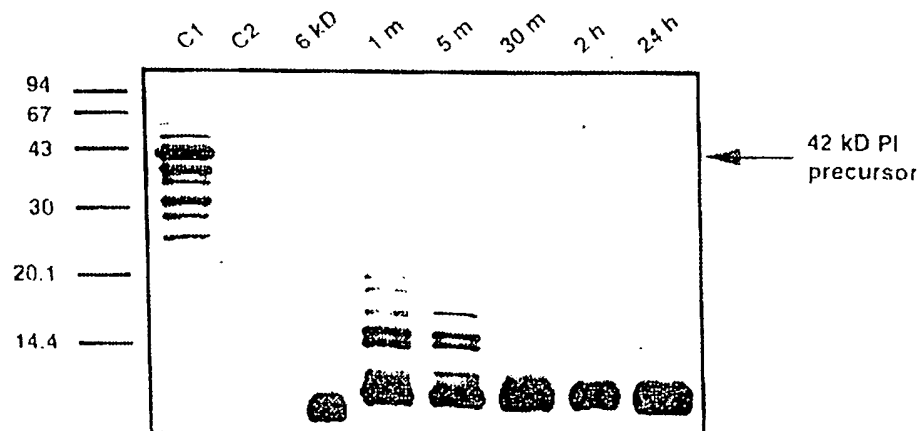
FIGURE 9C

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-10  
1  
10  
ICP(R OF L)(S OF A)EEKKNDRICTNCCAG(T OF K)KG

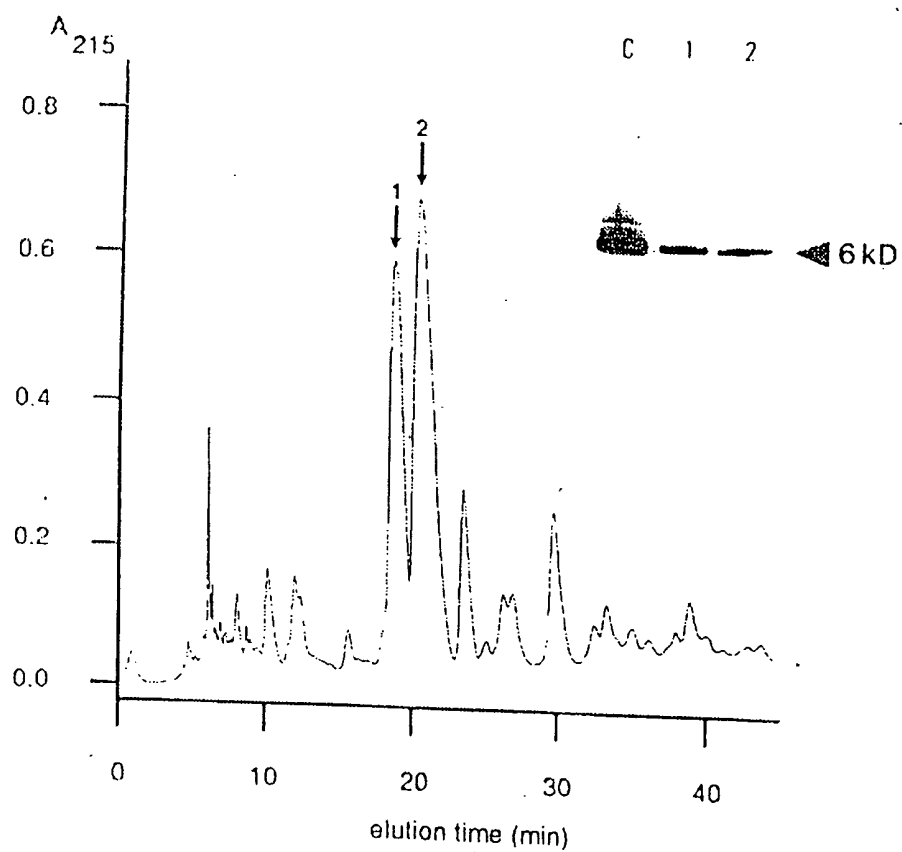
FIGURE 10

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FIG 11AFIG 11B

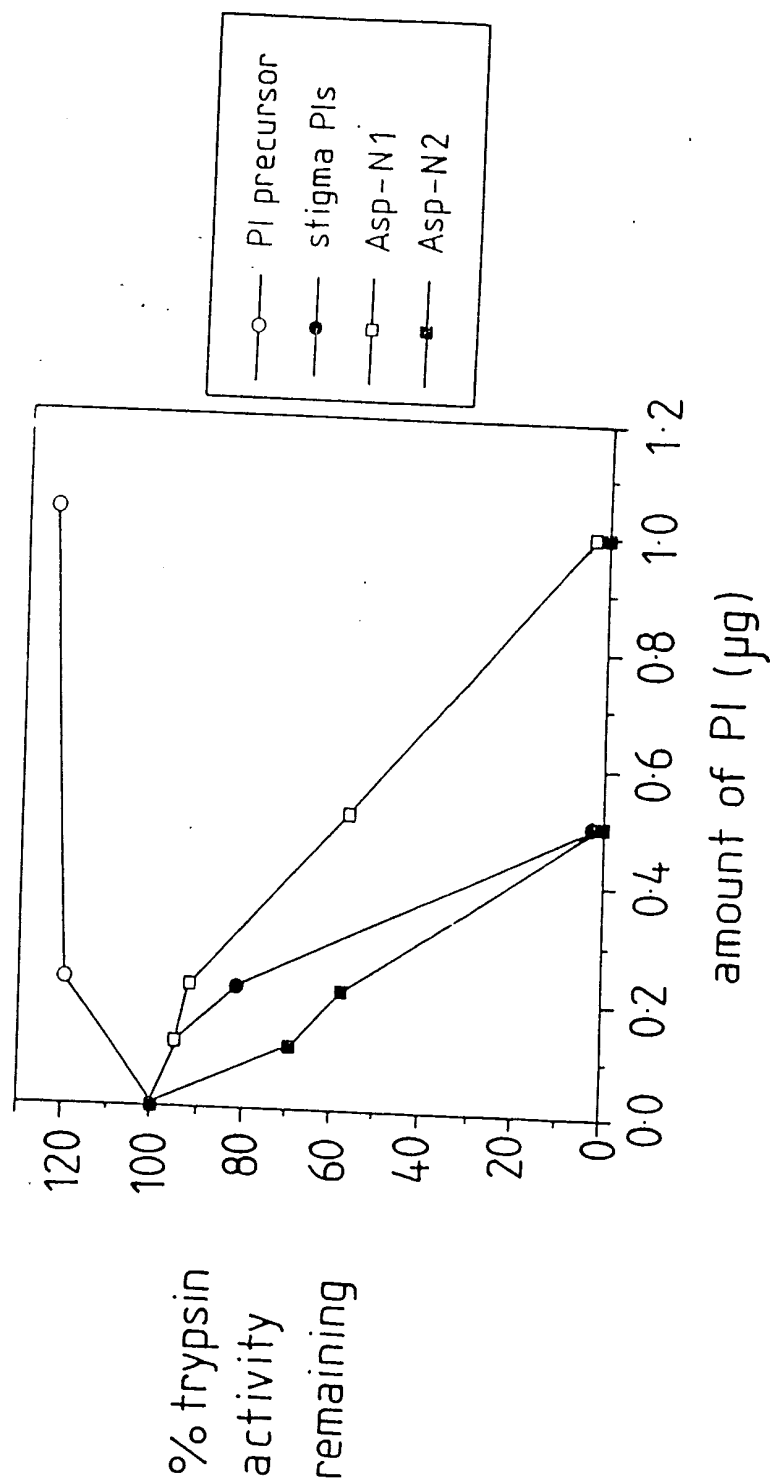


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FIG 12

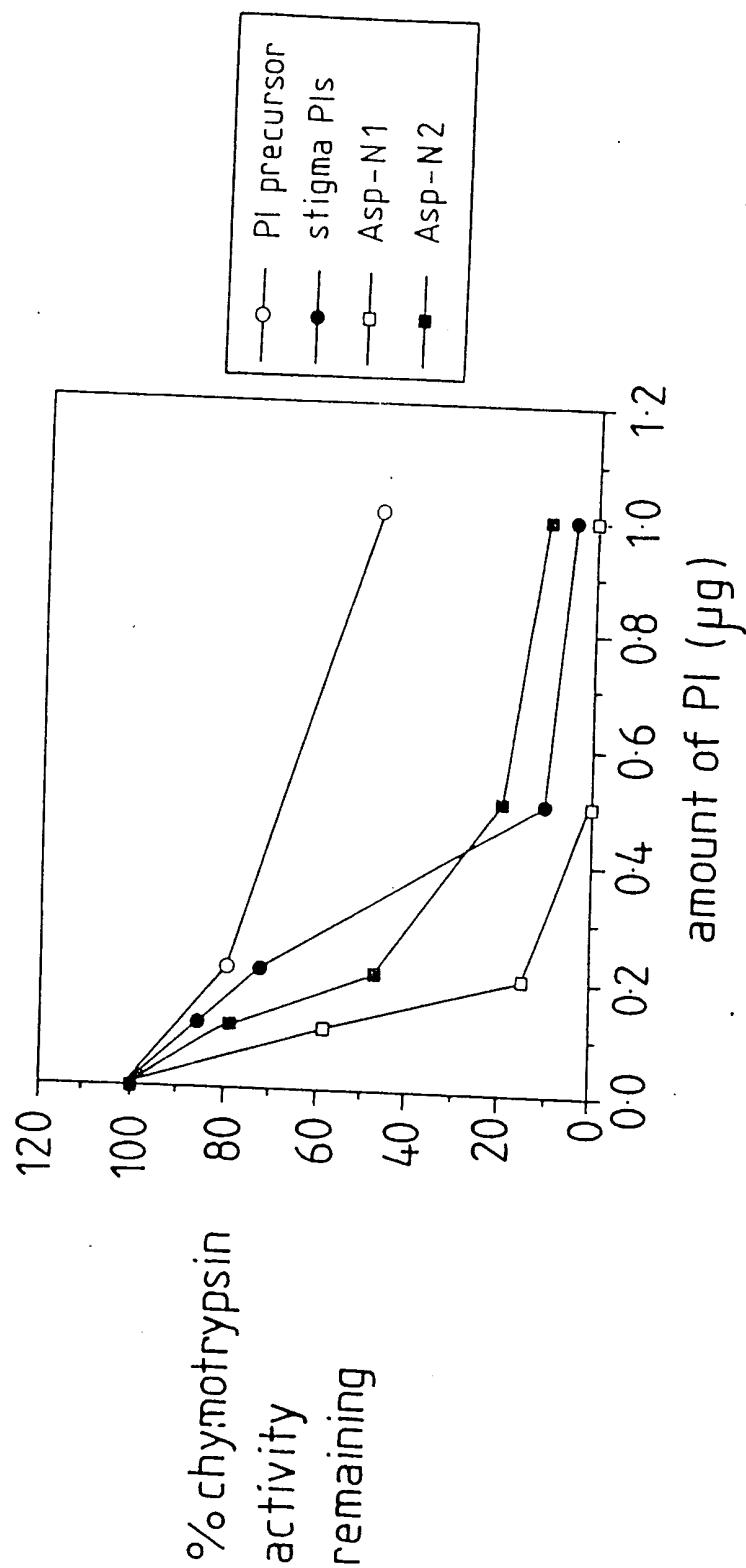
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FIGURE 13A

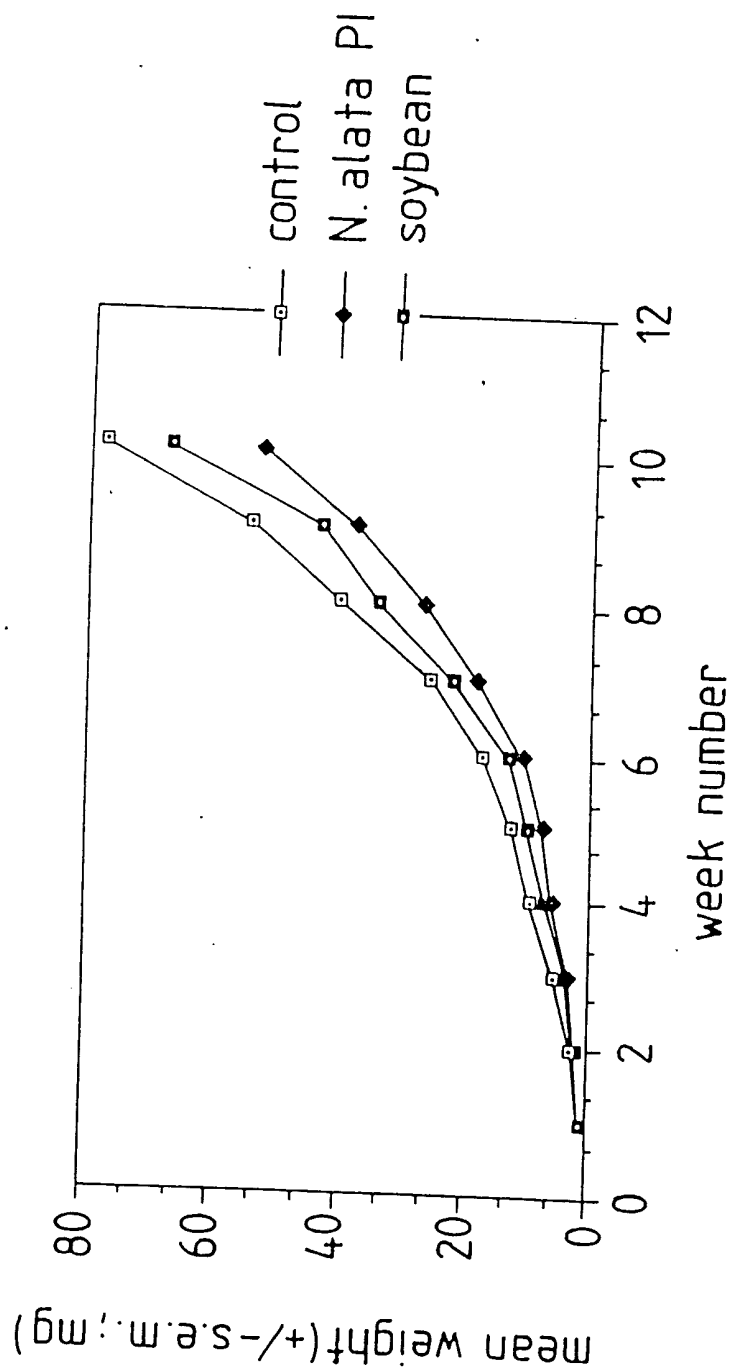


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FIGURE 13B



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FIGURE 14